

## Product datasheet for **RG201851**

### **NAP1L1 (NM\_139207) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NAP1L1 (NM_139207) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NAP1L1
Synonyms:	NAP1; NAP1L; NRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201851 representing NM_139207 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGACATTGACAACAAAGAACAGTCTGAACTTGATCAAGATTTGGATGATGTTGAAGAAGTAGAAG  
AAGAGGAACTGGTGAAGAAACAAAACCTCAAAGCACGTCAGCTAACTGTTGATGATGCAAAATCTCA  
GATTCTTGCAGCCCTTCAAGAAAGACTTGATGGTCTGGTAGAAACACCAACAGGATACATTGAAAGCCTG  
CCTAGGGTAGTTAAAAGACGAGTGAATGCTCTCAAAAACCTGCAAGTTAAATGTGCACAGATAGAAGCCA  
AATTCTATGAGGAAGTTCATGATCTTGAAGGAAGTATGCTGTTCTCTATCAGCCTCTATTTGATAAGCG  
ATTTGAAATTATTAATGCAATTTATGAACCTACGGAAGAAGAATGTGAATGGAAACCAGATGAAGAAGAT  
GAGATTTTCGAGGAATTGAAAGAAAAGGCCAAGATTGAAGATGAGAAAAAGGATGAAGAAAAAGAAGACC  
CCAAAGGAATTCCTGAATTTTGGTTAACTGTTTTTAAGAATGTTGACTTGCTCAGTGATATGGTTCAGGA  
ACACGATGAACCTATTCTGAAGCACTTGAAGATATTAAGTGAAGTTCTCAGATGCTGGCCAGCCTATG  
AGTTTTGTCTTAGAATTTCACTTTGAACCAATGAATATTTTACAAATGAAGTCTGACAAAAGACATACA  
GGATGAGGTCAGAACCAGATGATCTGATCCCTTTTCTTTGATGGACCAGAAATATGGGTTGTACAGG  
GTGCCAGATAGATTGAAAAAAGGAAAGAATGTCACTTTGAAAACCTTTTCAATGACTCTTTCTTTAACTTTTGGCCCTC  
CTGAAGTTCCTGAGAGTGGAGATCTGGATGATGATGCTGAAGCTATCCTTGCTGCAGACTTCGAAATTGG  
TCACTTTTTACGTGAGCGTATAATCCCAAGATCAGTGTTATATTTTACTGGAGAAGCTATTGAAGATGAT  
GATGATGATTATGATGAAGAAGGTGAAGAAGCGGATGAGGAAGGGGAAGAAGAAGGAGATGAGGAAAATG  
ATCCGACTATGACCCAAAGAAGGATCAAAACCCAGCAGAGTGCAAGCAGCAG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG201851 representing NM\_139207  
Red=Cloning site Green=Tags(s)

MADIDNKEQSELDQDLDDVEVEVEEETGEETKLKARQLTVQMMQNPQILAAALQERLDGLVETPTGYIESL  
 PRVVKRRVNALKNLQVKCAQIEAKFYEEVHDLERKYAVLYQPLFDKRFEIINAIYEPTEECEWKPDEED  
 EISEELKEKAKIEDEKKDEEKEDPKGIPEFWLTVFKNVDLLSDMVQEHDEPILKHLKDIKVKFSDAGQPM  
 SFVLEHFHFEPNEYFTNEVLTKTYRMRSEPDDSDPF SFDGPEIMGCTGCQIDWKKGKNVTLKTIKKKQKHK  
 GRGTVRTVTKTVSNDSSFNFAPPEVPESGDLDDDAEAILAADFEIGHFLRERIIPRSVLVYFTGEAIEDD  
 DDDYDEEGEEADEEGEEEGDEENDPDYDPKKDQNPAAECKQQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_139207

**ORF Size:** 1173 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_139207.1](#), [NP\\_631946.1](#)

**RefSeq Size:** 3582 bp

**RefSeq ORF:** 1176 bp

**Locus ID:** 4673

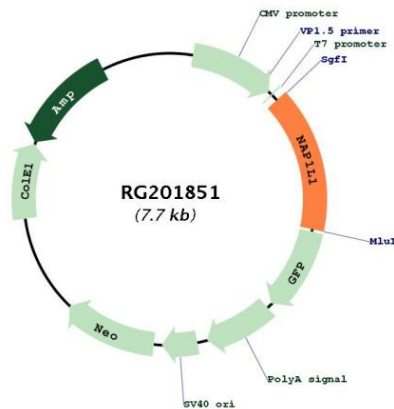
**UniProt ID:** [P55209](#)

**Cytogenetics:** 12q21.2

**Domains:** NAP

**Gene Summary:** This gene encodes a member of the nucleosome assembly protein (NAP) family. This protein participates in DNA replication and may play a role in modulating chromatin formation and contribute to the regulation of cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms; however, not all have been fully described. [provided by RefSeq, Apr 2015]

### Product images:



Circular map for RG201851